Division of Compensation Analysis and Support Program Evaluation Report	Document Number: DCAS-PER-066 Effective Date: 11/30/2015 Revision No. 0
Huntington Pilot Plant	Page 1 of 2

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RECORD OF ISSUE/REVISIONS			
ISSUE AUTHORIZATION DATE	**EFFECTIVE DATE**	**REV. NO.**	**DESCRIPTION**
11/30/2015	11/30/2015	0	New document to determine the effect of the revision to DCAS-TKBS-0004, (Huntington Pilot Plant) on previously completed claims.

1.0 Description

Dose reconstructions for the claims from the Huntington Pilot Plant (also known as the Reduction Pilot Plant) were originally performed using ORAUT-TKBS-0004 that was issued on 10/31/2003. Revision 1 to that document was subsequently issued on 1/16/2004. On 9/28/2007, OCAS-PER-025 was issued to assess the effect of the changes made in revision 1 on previously completed dose reconstructions. On 8/13/2008, OCAS-TKBS-0004 revision 0 was issued to supersede ORAUT-TKBS-0004. DCAS-PER-033 was issued on 12/9/2011 to assess the effect of that change. DCAS-TKBS-004 revision 1 was issued on 12/12/2013 to supersede revision 0. This PER (DCAS-PER-066) evaluated the effect of revision 1 to DCAS-TBKS-004 on all previously completed claims.

2.0 Issue Evaluation

Revision 1 of DCAS-TKBS-0004 added intakes for Am-241, Th-230 and Tc-99. That results in an increased internal dose estimate for all claims that were completed using an earlier version. Therefore, it was not necessary to itemize any other increases in dose or further breakdown the time periods affected.

3.0 Plan for Resolution or Corrective Action

In order to evaluate the effect of revision 1 of the TBD on all previously completed claims, a search was conducted for all completed claims with verified employment at the Huntington Pilot Plant that had a probability of causation (POC) of less than 50%. This

search identified 59 claims. Two of these claims had been completed using revision 1 of the TBD and were removed from further evaluation.

A new dose estimate was performed for the remaining 57 claims using revision 1 of the TBD, as well as all other applicable approved dose reconstruction methods. The resulting probability of causation (POC) was below 45% for 55 claims. The two remaining claim resulted in a POC between 45% and 50%. For those claims, IREP was run 30 times at 10,000 iterations per NIOSH procedures. The resulting POC remained below 50% for both claims.

NIOSH will provide the Department of Labor with the list of all claims evaluated under this PER. Since none would now result in a POC greater than 50%, NOSH will not request the return of any of the claims.